



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
COLUMBIA ENVIRONMENTAL FIELD OFFICE

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November 5, 2014

Mr. B. Keith Carnley  
Chief, Installation Management Section  
AEDC/TSDCI  
100 Kindel Drive  
Arnold AFB, TN 37389

Re:    Compliance Evaluation Inspection  
      Arnold Engineering Development-Arnold Village Wastewater System  
      State Operating Permit SOP-06006  
      Arnold AFB, Franklin County, Tennessee

Dear Mr. Carnley:

On October 8, 2014, I conducted a Compliance Evaluation Inspection (CEI) of the Arnold Village Wastewater Treatment System. A CEI is conducted to determine compliance with the permit and to review the operation and maintenance of the treatment system. The following observations were made during the inspection:

1. The current permit became effective on June 1, 2012 and shall expire on April 30, 2017.
2. Quarterly Operation Reports submitted to this office since the previous inspection were reviewed. The review indicated that the quarterly BOD monitoring result reported was below the permit limit of 45.0 mg/L. The average daily flow for each month is being reported on the quarterly report. Nitrate as N and ammonia as N are also being reported on the quarterly reports. There is no permit limit for these parameters.
3. A sand filter inspection is conducted every two weeks and recorded on an inspection log sheet. A copy of the log sheet is submitted with the quarterly report. There were no weeds growing on the surface of the sand filter during the inspection.

4. The treatment system is on routine maintenance schedule. A maintenance log is kept on site and any work performed on the system is recorded. The treatment system is well maintained. The treatment system is enclosed with a perimeter fence with a locked gate.
5. The drip disposal field is enclosed with a perimeter fence with a locked gate and is posted with the sign requirements of the permit. The drip disposal field needs to be mowed and maintained during growing season.
6. Two bypass/overflows were reported from the Arnold Village lift station since the previous inspection. These bypass/overflows resulted from mechanical failures and were reported on August 20, 2013 and August 31, 2013. The affected areas were treated with lime and calcium hypochlorite. There was no impact to surface water as a result of the overflows.

This concludes my observations. I would like to thank Mr. Myers and Mr. Schlykov for their time and cooperation during the inspection. If you have any questions you may reach me at 1-931-840-4166 or by e-mail at [gary.horne@tn.gov](mailto:gary.horne@tn.gov).

Sincerely,



Gary Horne  
Division of Water Pollution Control